SAP Query

Whenever Developers or Functional Consultants need to generate reports without doing any ABAP coding in a quick span of time, we take the help of ABAP Queries. Sometimes, we require data to test our program. In such cases, we have to get records from different tables that satisfy our requirement.

The type of reports provided by ABAP Queries are
- Basic Report
- Statistics
- Ranked report

The whole process comprises of three steps.
1) Creation of user group
2) Creation of infoset
3) Creation of queries

The transaction codes associated with ABAP Query are
- SQ01 - ABAP Query
- SQ02 - Infoset
- SQ03 - User group

Creation of User group

With transaction SQ03, the system administrator determines a group of people, users with similar tasks in the SAP system, under the heading 'User Group'. With SQ03 users can be
- created,
- displayed,
- changed and
- deleted.

A user can belong to more than one user group.

Transaction SQ03 is also used to assign work areas, functional areas, to user groups. Several InfoSets can be assigned to a user group using SQ03. An InfoSet can also be assigned to several user groups. InfoSets that are to be assigned need to have first been created with SQ02.

Members of a user group all have the same rights: All queries ( > SQ01) for a user group can be edited and/or executed by every member of the group. A member can only create queries using those InfoSets that are assigned to his/her user group.

Creation of Infoset

An InfoSet is a special view of a dataset (logical database, table, sequential file). InfoSets are a prerequisite for creating queries.

Transaction associated with creation of Infoset is SQ02.

Creation of ABAP Query

Transaction associated with creation of query is SQ01.

By default, the queries of user group which is opened recently in SQ03 are displayed.

Goto SQ01 and select the query ZCOL_QUERY. From the menu options choose Query -> More functions -> Generate program.

Click on Display report name to get the name of the report generated.

There is a specific naming convention to this program.

It starts with AQZZ, continued by user group name, from seventeenth character Query Name starts and rest of the spaces are filled with '=' (equals).